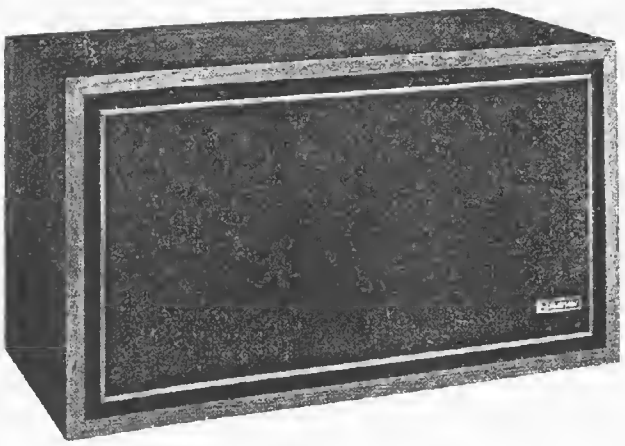
E-V FIVE•C COMPACT LOUDSPEAKER SYSTEM



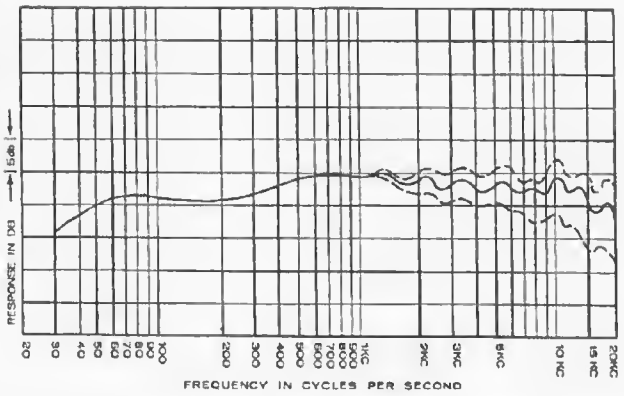


Figure 1—Representative frequency response and range of balance control action.

DESCRIPTION

Representing an entirely new approach to loudspeaker system design, the E-V FIVE•C provides performance formerly found only in far more expensive systems. The ten-inch woofer, two and one-half-inch tweeter and RLC crossover created for the E-V FIVE•C have been tested as individual components and then as an integral part of the completed system, assuring performance equal to the laboratory standard.

An acoustic-suspension woofer requires more moving mass than a conventional speaker for good low-frequency response. The required mass is supplied in the E-V FIVE•C woofer by adding two additional layers of wire to the voice coil. More turns of wire in the magnetic gap maintain efficiency and offset the increased mass. The result is bass response superior to woofers far more costly and complex. Transient response, even near the resonant frequency, remains clean and precise. The bass viol and kettle drum retain their natural quality—here there is no "juke box" bass.

Brilliant high-frequency response is assured by a new tweeter incorporating several design innovations. While basically a cone tweeter, it has a specially selected dust dome mounted centrally on the cone. In the lower portion of its frequency range, the tweeter cone and dome together function with full efficiency. As frequency increases, a progressively smaller area of the cone radiates sound. At the highest frequencies, only the dome is radiating. Thus maximum dispersion is maintained at all frequencies without sacrificing efficiency. Resonant frequency of the tweeter is just below the crossover point, ensuring rapid rolloff. In addition, viscous damping compound is applied to the cone compliance roll. This semi-liquid material controls cone movement at resonance and eliminates spurious responses and breakup.

The E-V FIVE•C enclosure integrates the requirements for acoustical excellence with the techniques of fine furniture construction. All four sides are finished in genuine oiled walnut veneer to allow use in either vertical or horizontal position. The nameplate may be rotated for vertical placement.

SPECIFICATIONS

Frequency Response:	30 to 20,000 Hz
Nominal Impedance:	8 ohms
Power Handling Capacity	
Program:	30 watts
Peak:	60 watts
Dimensions:	12¼" H x 21¾" W x 10-3/8" D
Finish:	Oiled Walnut Veneer
Shipping Weight:	31 pounds

PLACEMENT

The E-V FIVE•C may be placed on a table, shelf, or on the floor. Generally however, the most realism will be obtained if its height from the floor is near the listener's ear level. The E-V FIVE•C performs equally well placed in a horizontal or vertical position. The nameplate may be rotated to accommodate either placement.

The above comments apply also to stereophonic placement. Additionally, however, the two systems should be far enough apart to permit listeners to sit at the apex of a thirty- to forty-degree angle, as illustrated. A distance of six to eight feet between stereo speakers will, in most rooms, provide natural separation. Placing the loudspeakers too close together or listening at too great a distance will destroy the stereo effect, and the sound heard will be essentially monophonic. Extreme spacing between speakers or listening at too short a distance will produce exaggerated and unreal separation. In long

rooms, the loudspeakers should be placed along one of the short walls facing into the long room dimension. This improves bass reproduction and provides good stereo listening over most of the room.

AMPLIFIER CONNECTIONS

The E-V FIVE·C has a nominal impedance of eight ohms. Connections should be made between the left terminal (T1) and the amplifier 8-ohm terminal; the right terminal (T2) should be connected to the amplifier "common" terminal (sometimes referred to as "O" or "C"). Connections should be made with No. 18 or larger wire; common zip- or lamp-cord is satisfactory. If the speaker leads are to be run behind a molding strip or under a carpet, TV twin lead may be used.

ADJUSTMENT OF BALANCE CONTROL

The E-V FIVE·C is equipped with a continuously-variable balance control to adjust the high-frequency response of the system to varying acoustical environments. The "normal" position, indicated on the control, should be correct in most instances. Acoustically "hard" or "live" rooms may require a retarded setting of the control to compensate for the greater amount of high-frequency reflection. In "soft" or "dead" rooms with carpeting, soft furniture, and draperies, an advanced setting of the control will normally be required. The best guide to setting the control properly is a familiarity with the sound of live music. That position of the control which provides the musical balance most pleasing to you is correct.

GUARANTEE

Your Electro-Voice speaker system is guaranteed for five years from date of purchase against failures due to defects in material or workmanship. Within this period, Electro-Voice will repair or replace (at our option) any defective system delivered to us or our service agency. The unit will be returned prepaid and without charge for material or labor. Excluded from this guarantee are finishes and failures caused by shipping damage or physical abuse. Operation under conditions other than those encountered in typical installations, operation in excess of specified ratings, or repair by other than Electro-Voice or its authorized service agencies will void this guarantee. Should difficulty occur, contact the Electro-Voice Service Manager for instructions.

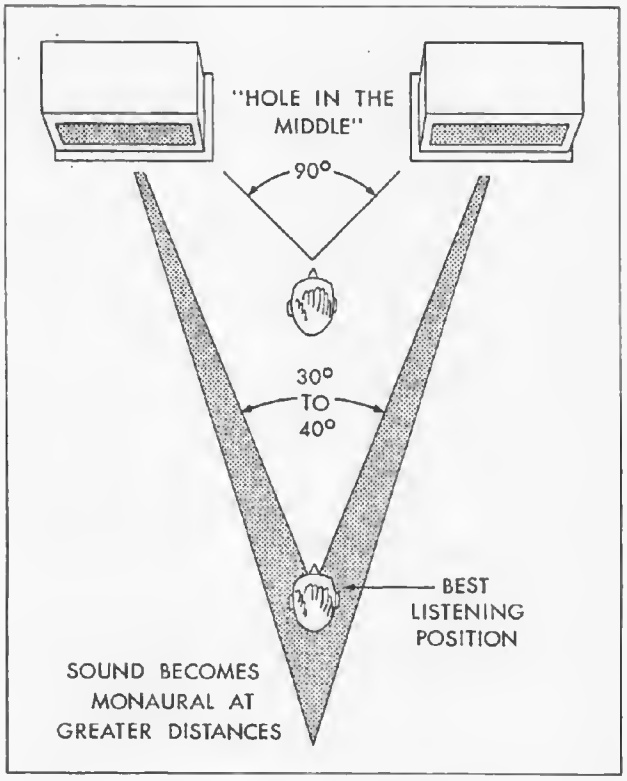


Figure 2—Placement for stereo

CUSTOMER SERVICE

Your E-V FIVE·C system has been packed to provide protection well in excess of shipping requirements of the Interstate Commerce Commission. If shipping damage occurs, contact the dealer from whom the unit was purchased or the carrier and request inspection and further instructions.

Part No. 534824

ELECTRO-VOICE, INC. / Buchanan, Michigan
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